

# BMC Control-M JCL Verify

Automate JCL verification and prevent job failures by verifying syntax and resource availability before jobs start

## PRODUCT DESCRIPTION

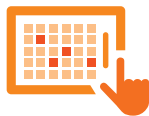
Control-M JCL Verify integrates directly with the Control-M scheduling environment to perform JCL syntax validation and complex logical validation, and to ensure compliance with site standards.

## BUSINESS CHALLENGE

JCL errors in the IBM® z/OS® environment cause application failures that may require manual intervention from IT operations and business support analysts, which may ultimately impact the quality of service delivery. Errors often result from environmental changes related to referenced datasets, changes in security access, or temporary changes made to correct operational problems. To avoid execution failure, site-specific standards must be observed for job and dataset names, specific execution classes, account codes, and more. JCL verification is typically a standalone solution forcing users to navigate multiple tools, making operations inefficient.

## BMC SOLUTION


Control-M JCL Verify lets users perform comprehensive JCL troubleshooting in the familiar and easy-to-use Control-M interface, with no additional tools required. Users can verify jobs on their test environment as if they are running on the production environment. Control-M JCL Verify automatically validates requirement lists, debugs jobs when they are created, previews regularly-scheduled workloads, and ensures computing resources are available so jobs will execute without problems.



Familiar and easy-to-use interface



Developing and troubleshooting business services

-  Control-M JCL Verify provides a familiar and easy-to-use interface for developing and troubleshooting business services for the IBM z/OS environment.

## KEY FEATURES

Control-M JCL Verify delivers unprecedented convenience to JCL management.

- **Integration to the Control-M environment** – Manage JCL in an intuitive environment with built-in safeguards to ensure accuracy
- **Comprehensive validation** – Data availability, syntax, procedures, logical flow, and space allocation are all verified before jobs start
- **Deep integration** – Verify syntax for JES2, JES3, DB2, IDCAMS, IEHPRGM, IEHLIST, and more
- **Mass verification and forecasting** – Groups of jobs can be verified before they run to see if resource limitations or errors would cause job failure
- **Site standards verification and enforcement** – Ensure that the JCLs meet site standards requirements and automatically adjust JCLs to meet standards that are defined by rules

## KEY BENEFITS

- **Eliminate extra tools, interfaces, and licenses** by bringing JCL support into the Control-M environment
- **Improve quality** using automated syntax and security validation to prevent job failures
- **Eliminate costly errors that affect service delivery** by preventing them from reaching production

## PRODUCT DETAILS

### Full integration with Control-M Workload Automation:

Control-M Workload Automation JCL Verify is fully integrated with Control-M to make it easier and quicker for IT staff to solve production problems through increased automation.

**Comprehensive validation:** Control-M JCL Verify supports many kinds of validation, as detailed below.

- **JCL and other syntax** – All JCL is checked to ensure that syntax is correct, including the resolution of all symbolic substitution. JCL Verify also validates and supports DB2 IDCAMS, IEHPROGM, IEHLIST, ADRDSSU, and more.
- **Job flows** – When one job depends on another to be completed, the jobs are defined as a flow. JCL Verify prevents “false alarm” messages that are currently generated when a dataset used by dependent jobs appears unavailable because the first job that generates it hasn’t been completed.
- **Security** – Access rights are verified to ensure that the user for which the job executes is authorized to access the datasets being used. Support is provided for all mainframe security products, including IBM® RACF®, CA® ACF2®, and CA® Top Secret®.
- **JES2 and JES3 statements** – All JES2 and JES3 control statements are verified.
- **Procedures** – All PROCs, both inline and those residing in private or system procedure libraries, are expanded and verified.
- **Programs (load modules)** – The same search order used by z/OS to locate Load Modules (JOB LIB, STEPLIB, and LINKLIST) is used by Control-M Workload Automation JCL Verify, thus eliminating “Program Not Found” (S806) abends, which usually are not detected until a job starts execution.
- **Local auto-edit variables** – If a job definition includes a variable that is only used by the job, JCL Verify will ensure the correct value is taken and verify the JCLs with it.

**Simulation mode testing:** Verifying jobs in their test environment as if they are running on the production environment eliminates the need for testers to have an account on the production machine to verify that resources and datasets are available.

**Resource verification:** Control-M JCL Verify automatically verifies that disk space and other needed resources for executing DB2 applications are available and that the program that runs on DB2 is available and valid for execution.

**Supports rules-based site standards:** Product administrators can define site-specific syntax requirements using a simple and familiar ON/DO rule structure.

**Customizable:** Administrators can customize how JCLs appear (e.g., column alignment, keyword order, etc.), JCL enforcement rules, summary reports, and messaging hierarchy (e.g., what is a warning, what is an error, when messages can be suppressed).

**Proactive discovery prevents disruptions:** The comprehensive analysis performed before the job is submitted ensures it will execute as expected. The detailed information provided allows you to check the job validity and correct any errors before promoting JCL into production or prior to execution.

**Integration with change management solutions:** Control-M JCL Verify provides support for the CA® Endeavor® Software Change Manager to help ensure that the master copy of your production JCL is valid.



### FOR MORE INFORMATION

To learn more about BMC Control-M JCL Verify, please visit [bmc.com/it-solutions/control-m-jcl-verify](https://bmc.com/it-solutions/control-m-jcl-verify)

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